



# COMMUNITY DEVELOPMENT AGENCY

## Erosion Control Section

223 Washington Avenue

Marietta, Georgia 30060

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Specialist

Frank Gipson

Erosion Control

## Site Plan Review

Date:

Project:

Time:

LDP:

### EROSION & SEDIMENT CONTROL COMMENTS.

Plan Page	Included Y/N
<input type="text"/>	<input type="text"/>

1. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.

<input type="text"/>	<input type="text"/>
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2. Provide land lot and district numbers for site location. Describe critical areas and any additional measures that will be utilized for these areas.

<input type="text"/>	<input type="text"/>
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3. Provide name, address and phone number of primary or tertiary permittee.

<input type="text"/>	<input type="text"/>
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4. Show engineer/land surveyor/landscape architect's name, address, and phone number.

<input type="text"/>	<input type="text"/>
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5. Note total and disturbed acreage (the disturbed area shall be the total estimated disturbed area of the primary and secondary permittees) of the project or phase under construction.

<input type="text"/>	<input type="text"/>
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6. Revision and/or initial date.

<input type="text"/>	<input type="text"/>
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7. Description of the nature of construction activity and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMP's, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).

<input type="text"/>	<input type="text"/>
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8. Signature, seal and GSWCC Level II certification number of the qualified design professional.

<input type="text"/>	<input type="text"/>
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9. Name and phone number of 24-hour local contact responsible for erosion, sedimentation and pollution controls.

<input type="text"/>	<input type="text"/>
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10. Graphic scale and north arrow

<input type="text"/>	<input type="text"/>
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11. The ES&PC Plan shall include an existing conditions and topography sheet with the boundary lines of the project or phrase shown on the sheet. Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2% Rolling 2 - 8% Steep 8% +	0.5 or 1 1 or 2 2,5 or 10

<input type="text"/>	<input type="text"/>
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12. Delineation and acreage of contributing drainage basins on the project site.

<input type="text"/>	<input type="text"/>
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13. Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.

Plan Page	Included Y/N	
<input type="checkbox"/>	<input type="checkbox"/>	14. Delineate sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion.
<input type="checkbox"/>	<input type="checkbox"/>	15. Identify/Delineate all storm water discharge points.
<input type="checkbox"/>	<input type="checkbox"/>	16. Indication that non-exempt activities shall not be conducted within the 25, 50, 75, 100 or 200-foot undisturbed stream buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits.
<input type="checkbox"/>	<input type="checkbox"/>	17. Delineate the undisturbed natural vegetative buffer(s) of 25-foot state buffer and 50', 75', 100', and 200' county buffer(s) and seven (7) mile water intake buffer in 1 <sup>st</sup> , 16 <sup>th</sup> 19 <sup>th</sup> and 20 <sup>th</sup> districts along with an additional 25 and 50-foot non-impervious buffer with a double row of Type-C Silt fence (sd1-C) installed to protect the buffer areas. <b><u>Provide documentation to verify that a buffer variance from Georgia Environmental Protection Division (EPD) has been obtained for buffer encroachment. A letter of concurrence from Cobb County will also be required.</u></b> Provide protective fencing along buffer(s) where contiguous to construction.
<input type="checkbox"/>	<input type="checkbox"/>	18. If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 18 above) at lease six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.
<input type="checkbox"/>	<input type="checkbox"/>	19. All streams identified by the Georgia E.P.D. as an impaired stream from the 303 (d) or 305 (b) list any portion of an Biota Impaired Stream Segment must comply with Part III. C of the permit will require additional BMPs. This list of 20 required BMPs can be located in the GAR 1000001, GAR 1000002 and GAR 1000003 permits. Any project being developed within 1 mile of an impaired/impacted stream will require a minimum of 4 additional recommended BMPs to further decrease pollution to the streams.
<input type="checkbox"/>	<input type="checkbox"/>	20. Determine outlet velocity at <u>all outfalls</u> . Exit velocities of 5 fps or greater from headwall require energy dissipation devices beyond the normal 6x diameter length of rip-rap.
<input type="checkbox"/>	<input type="checkbox"/>	21. Please sign and date the following statement on plans: " I certify that the permittee's Erosion Sedimentation and Pollution Control Plan, provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Act and the document "Manual for Erosion and Sediment Control in Georgia", published by the State Soil and Water Conservation Commission as of January 1 of this year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet requirements contained in the General NPDES Permit Nos. GAR 1000001, GAR 1000002, and GAR 1000003." Include certification and signature in accordance with section V.G.d. of the permit.
<input type="checkbox"/>	<input type="checkbox"/>	22. Please sign and date following statement on plans. "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATION DESCRIBED HERE-IN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY DIRECT SUPERVISION."
<input type="checkbox"/>	<input type="checkbox"/>	23. Please sign and date the following statement on plan: "THE PROPOSED EROSION AND RUNOFF CONTROL MEASURES ARE IN COMPLIANCE WITH THE COBB COUNTY SEDIMENT CONTROL AND FLOOD PROTECTION REGULATIONS AND WILL NOT INCREASE THE RUNOFF RATE FROM THE SITE FOR RAINSTORMS WITH A RETURN PERIOD OF 2, 5, 10, 25, 50 AND/OR 100 YEARS.

Plan Page	Included Y/N	
<input type="checkbox"/>	<input type="checkbox"/>	24. State on the plans how each individual lot will comply with erosion/sediment control measures (BMP's) to prevent the escape of sediment from each lot. Provide details for each lot to have BMP's installed (such as: silt fence, Co, Ds1, Temp. Sediment Basins, etc.) to prevent the escape of sediment for each situational lot. On steep slopes, show a temporary sediment basin at the downhill side and denote via flow areas for lot to be temporarily graded to flow into sediment basin. Address BMPs for all phases of common development including individual building lots and out-parcels, etc. regardless of who owns or operates the individual sites.
<input type="checkbox"/>	<input type="checkbox"/>	25. Place matting/blanket at the following locations:
<input type="checkbox"/>	<input type="checkbox"/>	26. Show a visible measuring post/stake/marking for clean out in detention ponds/ temporary sediment basin.
<input type="checkbox"/>	<input type="checkbox"/>	27. Creek/Stream crossing: No full site LDP shall be issued until a copy of the nationwide permit (PCN) from the Corps of Engineers has been received. Please reference Nationwide Permit number 39.
<input type="checkbox"/>	<input type="checkbox"/>	28. Specify sizes of rip-rap (St) at all outfalls.
<input type="checkbox"/>	<input type="checkbox"/>	29. Indicate construction exit (Co) location on plan. Provide standard detail. Specify dimensions and maintenance requirements on detail. Specify use of geotextile liner.
<input type="checkbox"/>	<input type="checkbox"/>	30. The primary permittee must show a GPS location of the site construction exit.
<input type="checkbox"/>	<input type="checkbox"/>	31. Specify use of type "C" (wire-backed) silt fence. Show standard detail. . All class "C" silt fence posts spacings should be 4' on center. ( Show double row on all state water buffers.)
<input type="checkbox"/>	<input type="checkbox"/>	32. Indicate temporary/permanent stabilization practices (Ds1, Ds2, Ds3) on plans. Include species, planting dates, seeding, fertilizer and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.
<input type="checkbox"/>	<input type="checkbox"/>	33. Provide retrofit (Rt) at outlet control structure(s) on detention pond.
<input type="checkbox"/>	<input type="checkbox"/>	34. All projects 1 acre or more are required to have a Notice of Intent (NOI).
<input type="checkbox"/>	<input type="checkbox"/>	35. A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs and (3) final BMPs.
<input type="checkbox"/>	<input type="checkbox"/>	36. BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.
<input type="checkbox"/>	<input type="checkbox"/>	37. Soil series and their delineation on phase I of the ESC plan.
<input type="checkbox"/>	<input type="checkbox"/>	38. Limits of disturbance for each phase of construction.
<input type="checkbox"/>	<input type="checkbox"/>	39. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written rationale explaining the decision not to use a sediment basin must be included in the plan for each common drainage location in which a sediment basin is not provided. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls.

Plan Page	Included Y/N	
<input type="checkbox"/>	<input type="checkbox"/>	40. Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
<input type="checkbox"/>	<input type="checkbox"/>	41. Best Management Practices to minimize off-site vehicle tracking of sediments and the generation of dust.
<input type="checkbox"/>	<input type="checkbox"/>	42. Plan addresses BMP's for all phases of common development including individual building lots and out-parcels, etc regardless of who owns or operates the individual sites. Include a typical and any situational lots applicable.
<input type="checkbox"/>	<input type="checkbox"/>	43. Limit of disturbance shall be greater than 50 acres for each individual permittee (i.e. Primary, Secondary or Tertiary) at any one time and no more than 50 contiguous acres at one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.
<input type="checkbox"/>	<input type="checkbox"/>	44. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission).
<input type="checkbox"/>	<input type="checkbox"/>	45. Certification statement and signature of the permittee or the duly authorized representative as stated in section V.G.2.d. of the state general permit.
<input type="checkbox"/>	<input type="checkbox"/>	46. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

**NARRATIVE NOTES AND OTHER INFORMATION: (NOTES OR NARRATIVE SHOULD BE LOCATED ON THE ES&PC PLAN OR UNDER EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES.):**

47. The following notes will be added to site plan:

<input type="checkbox"/>	<input type="checkbox"/>	a. "Erosion control practices must comply with the minimum best management practices for erosion control. Cobb Co. Code Sect. 50-75, and shall comply with the standards/specifications in the <i>Manual for Erosion and Sediment Control in Georgia</i> ".
<input type="checkbox"/>	<input type="checkbox"/>	b. In concentrated flow areas, all slopes steeper than 2.5:1 and with a height ten feet or greater, and cuts and fills within stream buffers, shall be stabilized with the appropriate erosion control matting or blanket.
<input type="checkbox"/>	<input type="checkbox"/>	c. Mulch temporary vegetation on all exposed areas within 14 days after disturbance.
<input type="checkbox"/>	<input type="checkbox"/>	d. Disturbed areas left idle for 5 days, and not to final grade, will be established to temporary vegetation (Ds2). All areas to final grade will be established to permanent vegetation (Ds3) immediately upon completion.
<input type="checkbox"/>	<input type="checkbox"/>	e. When planting vegetation, mulch (hay or straw) should be uniformly spread over seeded area within 24 hours of seeding.
<input type="checkbox"/>	<input type="checkbox"/>	f. Cobb County Land Disturbance Permit/Building Permits must be displayed on site at all times during construction and in plain view from a county road or street.
<input type="checkbox"/>	<input type="checkbox"/>	g. Erosion and sediment control devices must be installed and inspected prior to any grading on site. Please call (770) 528-2134 with enough lead-time for an inspection to meet your schedule.

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- h. Sediment/erosion control devices must be checked after each storm event. Each device is to be maintained or replaced if sediment accumulation has reached one half the capacity of the device. Additional devices must be installed if new channels have developed.

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- i. The use of polymers (PAMS) is accepted as a BMP as recommended by the STATE SOIL & WATER CONSERVATION COMMISSION BMP "green book". Cobb County also requires that polymers used to stabilize construction sites must be used in conjunction with mulching and or hydro seeding.

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- j. Additional erosion control devices to be used as required by Cobb County.

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- k. If streams are on your site, Cobb County will require that the stream buffers be left undisturbed and a conservation easement or a restrictive covenant be placed on that property. For more information, please feel free to Dana Johnson with the Planning Division @ 770-528-2199 or [Dana.Johnson@cobbcounty.org](mailto:Dana.Johnson@cobbcounty.org).

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- l. Clearly note statement in bold letters - **"The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities."**

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- m. Clearly note maintenance statement in bold letters - **"Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."**

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- n. Clearly note the statement in bold letters - **"Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."**

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48. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia. Provide standard detail(s) for \_\_\_\_\_.

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49. Plan describes practices used to reduce the pollutants in storm water discharges.

#### **CLEARLY NOTE THE FOLLOWING STATEMENTS IN BOLD LETTERS:**

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50. Indication that the applicable portion of ES&PC Plan is to be provided to each secondary permittee prior to the secondary conducting any construction activity and that each secondary shall sign the Plan or portion of the Plan applicable to their site. List the names and addresses of all secondary permittees.

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51. Indication that the design professional who prepared the ES&PC Plan is to inspect the installation of BMP's within 7 days after initial construction activity begins.

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52. Indication that amendments/revisions to the ES&PC Plan which have a significant effect on BMP's with a hydraulic component must be certified by the design professional.

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53. Indication that waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.

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54. Documentation that the ES&PC Plan is in compliance with waste disposal, sanitary sewer, or septic tank regulations during and after construction activities have been completed.

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55. Details on required inspections and record keeping by the primary permittee, secondary permittees and tertiary permittees. Provide complete details for retention of records as per

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|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 56. Description of analytical methods to be used to collect and analyze the samples from each location.  |
| <input type="checkbox"/> | <input type="checkbox"/> | 57. Information on sampling frequency and reporting requirements. (Please use Appendix B from the General Permit for rationale for outfall sampling points where applicable.)                  |
| <input type="checkbox"/> | <input type="checkbox"/> | 58. Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.   |
| <input type="checkbox"/> | <input type="checkbox"/> | 59. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.   |
| <input type="checkbox"/> | <input type="checkbox"/> | 60. Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. |
| <input type="checkbox"/> | <input type="checkbox"/> | 61. The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land disturbing activity was permitted.  |
| <input type="checkbox"/> | <input type="checkbox"/> | 62. Identify the project receiving waters and describe all adjacent areas including streams, lakes, residential areas, wetlands, etc. which may be affected.                                   |
| <input type="checkbox"/> | <input type="checkbox"/> | 63. BMP's for the remediation of all petroleum spills and leaks.   |

\*Eligible for One-Stop.

FLG/JJ

**Rev. 02/09/09**